Type 1 Facility Closeout Report

Section A. Facility Data	
Facility No.	Building 790
Facility Descriptor:	Radiation Calibration Laboratory
Project:	RISS: Area 4
Date of Demolition:	July 9, 2003
Additional Information:	Type 1 Facility, Incidental spill of Propylene Glycol & Hydraulic fluid, Steve Nesta provided guidance for the clean up. Rough contour grading complete. Demolition 4 feet below the finished grade. Environmental approved concrete in the ground and back filled. Drain ditch was restored per the Environmental checklist.
(Must include information on environmental releases and conditions of site at turnover to Environmental Restoration)	

Section B. Final Characterization Data	
Reconnaissance Level Characterization Report *(concurrence received)*	RLCR approval letter dated April 15, 2003
In-process Characterization	Release Evaluation Form #s 030514-T1301-001, 030404-00559-001, 030508-00559-002030404-00559-002,030623-00559-001, 020826-T130C-001, & 030530-00559-002 (attached). Package Inventory Forms SCO-00790-00001 & SCO-00790-00002 (attached).
Pre-Demolition Survey Report *(approval received)*	N/A Type 1 facility
Post-Demolition Survey Report *(as necessary)*	N/A Type 1 facility

Section C. Waste Data *(complete categories as appropriate)*	
Sanitary Disposal	Demolition debris (concrete & metal)
Disposal Site:	Front Range Landfill, Erie, CO
Waste Volume (m^3):	Approximately 3280 yd^3
Waste Weight (tons):	1755.71
Additional Information:	
Hazardous Disposal	Propylene Glycol & Water Solution
Disposal Site:	RFETS B995 Sanitary Waste System
Waste Volume (m^3):	75 gallons
Additional Information:	This liquid was drained from the chiller system.
TSCA Waste Disposal	N/A
Disposal Site:	
Waste Volume (m^3):	
Additional Information:	
Asbestos Waste Disposal	N/A
Disposal Site:	
Waste Volume (m^3):	
Additional Information:	
Low-Level Waste Disposal	SCO Waste-Metal Boxes
Disposal Site:	
Waste Volume (m^3):	
Additional Information:	7846 lbs
Low-Level Mixed Waste Disposal	N/A
Disposal Site:	
Waste Volume (m^3):	
Additional Information:	
Recycled Material	Lead
Recycle Facility:	PU&D
Waste Volume (m^3):	1 yd^3
Additional Information:	
Property Disposition	N/A
Receiver Locations *(major items only)*:	
Volume (m^3):	
Weight (tons):	
Additional Information:	

DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE

Type 1 Facility Closeout Report

Section D. Approvals		
Kaiser-Hill Project Manager	M. H Ade	7/25/03
	Name/Signature	Date

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☐ Property ■ Waste ☐ Sample

RELEASE EVALUATION FORM

#4

Page 1 of 4

Release Evaluation No.: 030514-T130I-001 **EXTENDED:** No **EXPIRES:** 12/31/03 **Charge No.:** EFD790PE

PART I **SENDER/CUSTODIAN ACKNOWLEDGEMENT**

Description of Property/Waste/Sample To Be Released/Transferred: Building 790 asphalt, concrete, and construction debris

Current Location: Building 790

Destination: Front Range Landfill, 1830 Weld County Road 5, Erie, CO, 80112 or

BFI landfill, 88th and Tower Road, Commerce City, Colorado

New Recipient/Custodian: Same as above

History/Process Knowledge: Building 790 was designed to perform radimetric calibration, Specifically it used to expose thermoluminesent dosimeters (TLD) and calibrate site health physics instrumentation. The building consists of three irradiation cells (A, B, C) and instrument calibration support area, a control room, and an office area. This facility used and stored sealed sources and X-Ray generating equipment.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? Yes

1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: Greg Curtis / Amy K Curtis Emp. No [redacted] Date: 5/15/03 Ext: 5638

PART II **RADIOLOGICAL ENGINEERING**

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

B790s construction debris has met all of the requirements for unrestricted release as specified in the RFETS Pre-Demolition Survey Plan for D&D Facilities. A detailed sampling and analysis plan was prepared and conducted to meet the requirements of the aforementioned document, including adequate radiological surveys. All collected radiological data met the Quality Control/Assurance objectives, and all readings were lower than applicable unrestricted release limits. As a result, ***no further radiological characterization is required prior to unrestricted release for all the above ground material,*** *however the concrete and asphalt requires* ***radiological surveys on 15% of the top and bottom of the materials prior to disposition.***

Copies of all applicable documentation are attached to this release evaluation (including cover page of the RLCR with appropriate approval signatures).

1.) ***Custodian, ensure that all soil is removed from the collected waste upon demolition, prior to waste disposal. If indicated waste/soil is to remain at the applicable current locations, this statement may be disregarded. This release evaluation does not address the removal of soil from the site. Custodian is responsible for ensuring this requirement is met.***

2.) *Custodian, retain a copy of all documents required by this release evaluation. The sender/custodian will be responsible for ensuring a copy of this release evaluation is available for auditing/due diligence purposes.*

3.) *Radiological Engineer, process release evaluation to indicate an unrestricted free-release. Sign all appropriate documentation required for the disposition of the affected items.*

Release Evaluation #: 030514-T130I-001

Evaluated: Robert English / Robert English Emp. No: [redacted] Date: 6-10-03 Ext: 5551
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved: Roger Worrick / [signature] Emp. No: [redacted] Date: 6/10/03 Ext: 3357
Radiological Engineer

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 030514-T130I-001

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

INSTRUMENT DATA

Mfg.	Eberline	Mfg.	NE	Mfg.	NA
Model	SAC 4	Model	Electra	Model	NA
Serial #	959	Serial #	1238	Serial #	NA
Cal Due	7/9/03	Cal Due	9/7/03	Cal Due	NA
Bkg	0.2 cpmα	Bkg	0 cpmα	Bkg	NA cpmα
Efficiency	33.00 %	Efficiency	21.50 %	Efficiency	N/A %
MDA	20 dpmα	MDA	13 dpmα	MDA	N/A dpmα

Mfg.	Eberline	Mfg.	NE	Mfg.	NA
Model	BC 4	Model	Electra	Model	NA
Serial #	835	Serial #	1238	Serial #	NA
Cal Due	9/19/03	Cal Due	3/31/01	Cal Due	NA
Bkg	30.8 cpmb	Bkg	375 cpmβ	Bkg	NA cpmβ
Efficiency	25.00 %	Efficiency	31.00 %	Efficiency	N/A %
MDA	200 dpmβ	MDA	299 dpmβ	MDA	N/A dpmβ

Survey Type: Contamination- Radiation
Building: Bldg 790
Location: General Area
Purpose: Release

RWP #: NA

Date: 6/30/03 Time: 13:15:00 PM

RCT: NA / NA / NA
Print name Signature Emp. #

RCT: J. Kennedy / [signature] / [redacted]
Print name Signature Emp. #

PRN/REN #: 030514-T130I-001
Comments: Scanned 15% of exposed surfaces on concrete rubble from bldg 790

SURVEY RESULTS

Swipe #	Location / Description Results in DPM/100sq.cm	Removable Alpha	Removable Beta	Total Alpha	Total Beta
1	Concrete Rubble	<20	<200	<13	<299
2	Asphalt Rubble	<20	<200	<13	<299
3	Asphalt Rubble	<20	<200	<13	<299
4	Asphalt Rubble	<20	<200	<13	<299
5	Asphalt Rubble	<20	<200	<13	<299
6	Asphalt Rubble	<20	<200	<13	<299
7	Asphalt Rubble	<20	<200	<13	<299
8	Asphalt Rubble	<20	<200	<13	<299
9	Asphalt Rubble	<20	<200	<13	<299
10	Asphalt Rubble	<20	<200	<13	<299
11	Asphalt Rubble	<20	<200	<13	<299
12	Asphalt Rubble	<20	<200	<13	<299
13	Asphalt Rubble	<20	<200	<13	<299
14	Asphalt Rubble	<20	<200	<13	<299
15	Asphalt Rubble	<20	<200	<13	<299
16	Asphalt Rubble	<20	<200	<13	<299
17	Asphalt Rubble	<20	<200	<13	<299
18	Asphalt Rubble	<20	<200	<13	<299
19	Asphalt Rubble	<20	<200	<13	<299
20	Asphalt Rubble	<20	<200	<13	<299
21	Asphalt Rubble	<20	<200	<13	<299
22	Asphalt Rubble	<20	<200	<13	<299
23	Asphalt Rubble	<20	<200	<13	<299
24	Asphalt Rubble	<20	<200	<13	<299
25	Asphalt Rubble	<20	<200	<13	<299

MAP

N/A

Date Reviewed: JUL 01 2003 RS Supervision: [signature] / [signature] [redacted]
Print Name Signature

☒ Property ☐ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 1 of 4

Release Evaluation No.: 030728-T130I-003 **EXTENDED:** NA **EXPIRES:** NA **Charge No.:** EHE790DM

PART I **SENDER/CUSTODIAN ACKNOWLEDGEMENT**

Description of Property/Waste/Sample To Be Released/Transferred: Lead shielding from the elevator

Current Location: RFETS Building 790

Destination: PU &D Rick Dahlin X6509

History/Process Knowledge: Building 790 was designed to perform radiometric calibrations. These areas have never been posted as a CA/RBA, and have met all of the requirements for a non-contaminated area. All associated radiological surveys indicate there are no radiological concerns with this building and its contents.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? No

1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: Nancy Jensen/ Emp. No: [redacted] Date: 7/29/03 Ext: 4161

PART II **RADIOLOGICAL ENGINEERING**

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

The B790 facility and the remaining equipment has met all of the requirements for unrestricted release as specified in the RFETS Pre-Demolition Survey Plan for D&D Facilities. A detailed sampling and analysis plan was prepared and conducted to meet the requirements of the aforementioned document, including adequate radiological surveys. All collected radiological data met the Quality Control/Assurance objectives, and all readings were lower than applicable unrestricted release limits. As a result, no ***further radiological characterization is required prior to unrestricted release.***

Copies of all applicable documentation are attached to this release evaluation (including cover page of the RLCR with appropriate approval signatures).

1.) *Custodian, retain a copy of all documents required by this release evaluation. The sender/custodian will be responsible for ensuring a copy of this release evaluation is available for auditing/due diligence purposes.*

2.) *Radiological Engineer, process release evaluation to indicate an unrestricted free-release. Sign all appropriate documentation required for the disposition of the affected items.*

Release Evaluation #: 030728-T130I-003 Page 2 of ___

Evaluated: Robert English / Robert English Emp. No: [redacted] Date: 7-29-03 Ext: 5551
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved: Rock Nevean Emp. No: [redacted] Date: 7-29-03 Ext: 3461
Radiological Engineer

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

COPY

Release Evaluation #: 030728-T130I-003 Page 3 of ___

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

COPY

REN# 030728-T130I-003

Page 4 of 4

TYPE 1
RECONNAISSANCE LEVEL CHARACTERIZATION REPORT (RLCR)

Building 790

REVISION 0

April 15, 2003

Reviewed by: _____ Date: 4-16-03
Don Risoli, Quality Assurance

Reviewed by: _____ Date: 4/16/03
D.P. Snyder, RISS ESH&Q Manager

Approved by: _____ Date: 4/17/03
Mike Auble, K-H D&D Project Manager

COPY

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☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 1 of 3

Release Evaluation No.: 030404-00559-001 **EXTENDED:** NO **EXPIRES:** N/A **Charge No.:** N/A

PART I
SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred:

Deuterium liquid (heavy water) used in B790 Neutron Lab

Current Location: B790

Destination: Disposal Down Sanitary Drain - (Point of Contact: Ty Vess, RFETS 303-966-6540)

New Recipient/Custodian: Disposal Down Sanitary Drain - (Point of Contact: Ty Vess, RFETS 303-966-6540)

History/Process Knowledge:

This material was used to support experiments in B790 Neutron Lab. Deuterium is a non-radioactive material (commonly called "Heavy Water") that is used to slow (or thermalize) neutrons during calibration of radiation measuring equipment. This material was delivered new to RFETS from a company called Cambridge Isotopes. It was used in a sealed sphere in conjunction with the B790 pneumatic delivery system. The system was analyzed by Radiological Engineering. Based on this review, there is no potential for activation, contact or "mixing" of DOE controlled radioactive materials.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? NO

1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: _____ Emp. No [redacted] Date: 4/4/03 Ext: 4161

RELEASE EVALUATION FORM

Release Evaluation No.: 030404-00559-001 EXTENDED: NO EXPIRES: N/A Charge No.: N/A

PART II RADIOLOGICAL ENGINEERING SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS or SAMPLING REQUIRED

The items described in this release evaluation have no potential for presence of DOE controlled radioactive material. All items analyzed by B790 Radiological Engineering (R. Neveau, x3461) to ensure the items meet requirements for release from radiological controls and disposal to sanitary drain.

Process history and nature of the material show no potential for presence of DOE controlled radioactive material. The material may be drained from all containers and disposed down the sanitary drain.

Evaluated: _____ Emp. No [redacted] Date: 4.4.03 Ext: 3461
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT/DISPOSAL

The materials described in this release evaluation have no potential for the presence of DOE controlled radioactive materials and may be disposed down the sanitary drain system.

Approved: _____ Emp. No [redacted] Date: 4/4/03 Ext: 7214
Radiological Engineer

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PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 030404-00559-001 **Page 3 of** 3

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Release Evaluation No.: 030508-00559-002 **EXTENDED:** NO **EXPIRES:** N/A **Charge No.:** N/A

PART I
SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred:

Four (4) Lead-acid batteries used in B790 Calibration Facility

Current Location: B790

Destination: B331, RFETS

New Recipient/Custodian: B331, RFETS - (Point of Contact: Bill Brokaw, RFETS 303-966-2628)

History/Process Knowledge:

This material was used to support non-radiological operations in B790 Calibration Facility. The material was used in the SIMPLEX (SIO) system for the facility - a non-radiological system. The system was analyzed by Radiological Engineering. Based on this review, there is no potential for activation, contact or "mixing" of DOE controlled radioactive materials.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? NO

1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: [signature] Emp. No: [redacted] Date: 5/8/03 Ext: 4161

COPY

RELEASE EVALUATION FORM

Release Evaluation No.: 030508-00559-002 EXTENDED: NO EXPIRES: N/A Charge No.: N/A

PART II RADIOLOGICAL ENGINEERING SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS or SAMPLING REQUIRED

The materials described in this release evaluation have no potential for presence of DOE controlled radioactive material. All items analyzed by B790 Radiological Engineering (R. Neveau, x3461) to ensure the items meet requirements for release from radiological controls and disposal/recycle at the destination listed on page one of this release evaluation.

Process history and nature of the material show no potential for presence of DOE controlled radioactive material. The material may be drained from all containers and disposed at the destination listed on page one of this release evaluation.

Evaluated: _____ Emp. No [redacted] Date: 5-8-03 Ext: 3461
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT/DISPOSAL

The materials described in this release evaluation have no potential for the presence of DOE controlled radioactive materials and may be released from radiological controls and disposed at the destination listed on this release evaluation.

Approved: _____ Emp. No: [redacted] Date: 5/8/03 Ext: 2069
Radiological Engineer

COPY

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PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 030508-00559-002 **Page 3 of** 3

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

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[X] Property [ ] Waste [ ] Sample

RELEASE EVALUATION FORM

Release Evaluation No.: 030404-00559-002 **EXTENDED:** NO **EXPIRES:** N/A **Charge No.:** N/A

PART I
SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred:

Deuterium sphere and associated materials/equipment used in B790 Neutron Lab

Current Location: B790

Destination: Alpha Group & Associates, 11575 Main St., Ste. 300, Broomfield, CO 80020 - (Point of Contact: Don Newton)

New Recipient/Custodian: Alpha Group & Associates, 11575 Main St., Ste. 300, Broomfield, CO 80020 - (Point of Contact: Don Newton)

History/Process Knowledge:

This material as used to support experiments in B790 Neutron Lab. Deuterium is a non-radioactive material (commonly called "Heavy Water") that is used to slow (or thermalize) neutrons during calibration of radiation measuring equipment. The sphere was used to provide good geometry during instrument calibration work. The sphere accommodated a pneumatic delivery system the delivered sealed sources into and out of the sphere. All materials were sealed and inspected regularly. The system and sphere described in this release evaluation was analyzed by Radiological Engineering. Based on this review, there is no potential for contact or "mixing" of DOE controlled radioactive materials.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? NO

1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: _____ Emp. No [redacted] Date: 4/4/03 Ext: 4161

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RELEASE EVALUATION FORM

Release Evaluation No.: 030404-00559-002 EXTENDED: NO EXPIRES: N/A Charge No.: N/A

PART II RADIOLOGICAL ENGINEERING SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS or SAMPLING REQUIRED

The items described in this release evaluation have no potential for presence of DOE controlled radioactive material. All items analyzed by B790 Radiological Engineering (R. Neveau, x3461) to ensure the items meet requirements for release from radiological controls and disposal to sanitary drain.

Process history and nature of the material show no potential for presence of DOE controlled radioactive material. In addition, the area (neutron Lab) has undergone extensive surveys. No DOE controlled radioactive materials were detected during these routine and Pre-Demolition Surveys. The material may be removed from the area and delivered to the destination listed on this release evaluation with no radiological surveys or radiological controls.

Evaluated: _____ Emp. No [redacted] Date: 4-4-03 Ext: 3461
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT/DISPOSAL

The materials described in this release evaluation have no potential for the presence of DOE controlled radioactive materials. The materials may be released from radiological controls and delivered to the destination listed on this release evaluation.

Approved: _____ Emp. No: [redacted] Date: 4/4/03 Ext: 7214
Radiological Engineer

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PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 030404-00559-002 **Page 3 of** 3

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 1 of _3_

Release Evaluation No.: 030623-00559-001 EXTENDED: NO EXPIRES: n/a Charge No.: n/a

Revision 1

PART I SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred:

Approximately 75 gallons (2 drums) of Propylene and water solution (mixture) drained from the B790 "Chiller" system.

Current Location: 559 Cluster

Destination: RFETS B995 Sanitary Waste Sysytem

New Recipient/Custodian: RFETS B995 Sanitary Waste System(RFETS Contact: F. Huffman, 303-966-6290)

History/Process Knowledge: The samples were obtained from an area that was never posted or controlled for radiological purposes. The Propylene solution was drained from the "chiller" system, which does not feed or drain from any process lines. There is little or no potential for this material to have contacted DOE controlled radioactive material.

This area has undergone routine surveys over the last several years and have never shown the presence of DOE controlled radioactive materials. B790 has also recently undergone a MARSSIM/PDS survey of the entire facility, releasing the facility from radiological controls. DOE radioactive materials were not detected during this survey. Based on the history, use, and contamination surveys performed in this area, **the material governed by this release evaluation have no potential for containing DOE controlled radioactive material.**

Has the specified material ever been in an RMMA/RBA/CA or contacted DOE controlled radioactive materials? NO

1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: [signature] Employee [redacted] Date: 7/14/03 Ext 4461

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☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Release Evaluation No.: 030623-00559-001 EXTENDED: NO EXPIRES.: n/a Charge No.: n/a
Revision 1

PART II **RADIOLOGICAL ENGINEERING**

COPY

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS or SAMPLES REQUIRED

The Propylene and water solution mixture has run through a system that has no potential for contact with DOE controlled radioactive materials. The process history and use of this material shows no potential for presence of DOE controlled radioactive materials. Sampling or surveys are not required for transport or disposal of this material.

Evaluated: [signature] Emp. No: [redacted] Date: 7/11/03 Ext: N/A Pager 212-1349
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

The materials listed in this release evaluation (and containers used to store this material) do not require any characterization or radiological surveys for transport or disposal. There are no radiological concerns associated with this material.

Approved: K. Konzen [signature] Emp. No: [redacted] Date: 7/11/03 Ext: 3269 Pager 1172
Radiological Engineer

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PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 030623-00559-001 **Page 3 of** 3
Revision 1

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

22

Property Waste SampleXX

RELEASE EVALUATION FORM

Page 1 of 3

Release Evaluation No.:020826-T130C-001 **EXTENDED YES EXPIRES: 31 DEC 2002 Charge No.:** _____

PART I **SENDER/CUSTODIAN ACKNOWLEDGMENT**

Description of Property/Waste/Sample To Be Released/Transferred: Sample of propylene glycol in room 108 of building 790 rin 02s0224

Current Location: SAMPLE LOCATION LISTED ABOVE IN DESCRIPTION OF PROPERTY SECTION

Destination : Severn Trent Laboratories, Inc., 4955 Yarrow St., Arvada, CO 80002

Recipient/Custodian Severn Trent Laboratories, Inc., 4955 Yarrow St., Arvada, CO 80002

History/Process Knowledge: THESE SAMPLES ARE BEING USED TO CHARACTERIZE ENVIRONMENTAL RESTORATION PROJECT AREAS

Has the specified material ever been in an /RBA/CA or contacted DOE controlled radioactive materials? unknown

1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian MARK SABA [redacted] Date: 08/26/02 Ext: 5838

Mark T Saba

RSFORMS-9.01-01

23

PART II RADIOLOGICAL ENGINEERING

SPECIFIC REQUIREMENTS AND/OR COMMENTS

A. REQUIRMENTS:

1. THE SENDER/CUSTODIAN SHALL PROVIDE A DOT RADSCREEN FOR THE SAMPLES (DUPLICATE OR REPRESENTATIVE SAMPLES ARE ACCEPTABLE) ACCEPTANCE CRITERIA IS LESS THAN 2 NANOCURIES/GRAM
2. THE SENDER CUSTODIAN SHALL ENSURE THAT AN RCT PERFORMS A CONTAMINATION SURVEY OF THE EXTERNALS OF EACH SAMPLE (AND SAMPLE BAGS WHEN APPLICABLE) IN ACCORDANCE WITH RSP 7.02. ACCEPTANCE CRITERIA SHALL BE 20 DPM/100CM2 (ALPHA) AND 1000 DPM/100CM2 (BETA)

The sender/custodian shall retain and make available to Radiological Engineering, the chain of custody and survey records for all sample shipped under the terms and conditions of the release evaluation. The sender custodian shall provide the shipper a copy of the survey and this Release Evaluation along with the samples being sent to the analytical laboratory. This release will meet the DOT (49 CFR) requirements of less than 2 nanocurries per gram

SEVERN TRENT LABS OF DENVER OPERATES UNDER RAD MATERIALS LICENSE # COLO. 486-03, AMENDMENT 3, EXPIRES 12/31/2005.

The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulations. This authorization for shipment does not constitute an unrestricted release.

Evaluated _____ Emp. No: [redacted] Date: 8/26/02 Ext: 6385
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved: _____ Emp. No: [redacted] Date: 8-29-02 Ext: 3370
Radiological Engineer

SAMPLE RELEASE 020826-T130C-001

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PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 020826-T130C-001 **Page 3 of __3__**

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

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☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 1 of __3__

Release Evaluation No.: 030530-00559-002 EXTENDED: NO EXPIRES.:_____ Charge No.: n/a

PART I SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred:

Mercury-containing switches obtained from non-radiological area of B790. WEMS #X30168

Current Location: B790

Destination: RFETS Material Stewardship, RCRA Unit 1, then for off-site disposal (POC – L. Damm, x3073)

New Recipient/Custodian: RFETS Material Stewardship, RCRA Unit 1, then for off-site disposal (POC – L. Damm, x3073)

History/Process Knowledge: The equipment and associated materials were removed from equipment in B790. The area has been routinely surveyed over the last several years and have never shown elevated levels of activity from DOE controlled radioactive materials.

Likewise, many items and pieces of equipment in these areas have been surveyed and released from radiological controls.

In addition, these rooms/areas/structures have been MARSSIM-release surveyed and deemed to be free of any contamination from DOE controlled radioactive materials (MARSSIM Reports on file). The materials described in this release evaluation are from non-process areas and have never contained or contacted DOE controlled radioactive material.

There is a no potential for this equipment to contain radiological contamination from DOE controlled radioactive materials.

Has the specified material ever been in an *RMMA/RBA/CA* or contacted DOE controlled radioactive materials? NO

1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: [signature] Employee No [redacted] Date: 7/9/03 Ext 4161

24

☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 2 of 3

Release Evaluation No.: 030530-00559-002 EXTENDED: NO EXPIRES.: _____ Charge No.: n/a

PART II RADIOLOGICAL ENGINEERING

COPY

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS REQUIRED

The materials described in this release evaluation have had no potential for contacting DOE controlled radioactive materials and pose no radiological risk.

Materials were removed from areas that have been routinely surveyed over the past several years AND have been characterized under MARSSIM protocols. The areas have been found to be free of radiological contamination. No surveys are required.

Evaluated: _____ Emp. No: [redacted] Date: 6-9-03 Ext: 3461 Pager 2582
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

The materials described in this release evaluation have no potential for radiological contamination from DOE controlled radioactive materials. This material may be released from all radiological controls and transported to the destination listed on this release evaluation.

Approved: _____ Emp. No: [redacted] Date: 6/9/03 Ext: 3357 Pager n/a
Radiological Engineer

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 030530-00559-002 **Page 3 of** 3

COPY

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

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Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

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Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

Equivalent to Appendix 7

Page 1 of 1

PACKAGE INVENTORY

Package ID: B03958

Container Type: I2F - 4 X 4 X 7 IP-2 METAL BOX

Survey Characterization Unit Nbr(s) SCO-00790-00001-REV00 Pct by Volume from this SCU 100 %

Object Number	Object Description	Object Comments
See attached package inventory sheet, 2 pages.		

Bracing and Other Uncontaminated Packaging Material or Dunnage: 0 lb

Inventory Prepared By: [redacted] R L Kennard / R L Kennard 10-7-02
PM/WG/Customer — Emp Nbr / Print Name — Signature — Date

Gross Package Weight

Scale Information: ID #: RF410132 Calibration Due Dt: 03/31/2003 Gross Weight: 3,030 lb

Tare Weight: 930 lb

Weight Measured By: [redacted] R L Kennard / R L Kennard 10-7-02
Emp Nbr / Print Name — Signature — Date

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APPENDIX 7

PACKAGE INVENTORY SHEET

Survey Characterization Unit # SCO-00790- Package ID B03958

Object Description/SCU (1)	Mass (1) (2)	Remarks (For example, % of package by weight or volume)
9-Instrument Monitors		
7- Triton Instruments		
3- Sola transformers		
1- Instrument Monitors		
10- Instruments-Scalers M-2000		
10- Scalers M-2000 Instruments		
4- Model 300 Gamma Instrument		
2- Cadmium Balls		
Many Pencil Dosimeters (~300 units)		
EPD Dosimeters (~250 units)		
8- Gamma Harms		
4- Motors		
20- Alpha Net Gauges		
9- Iudlum instruments		
9- Iudlum instruments		
6- test Boxes		
4- Detectors- Fidlers		
Hot Plate		
Adding machine		
Key board		
Vacuum cleaner		
3- Probe holders		
Cables		
Circuit boards		
10- Gamma Detectors		
2- transfers		
Rack Panel Monitor RG		
2 Lead Pigeons		
15 Detectors		

(1) Completed by Requestor
(2) Units **SHALL** be designated and annotated by Requestor

Prepared: R L Kennard EMP# [redacted] Date 9-20-02
PM/WG/Customer

30

APPENDIX 7

PACKAGE INVENTORY SHEET

Survey Characterization Unit # SCO-00790- **Package ID** B03958

Object Description/SCU (1)	Mass (1) (2)	Remarks (For example, % of package by weight or volume)
50- Pocket Dosimeters		
2- lead Bricks		
17- Detectors		
7- Solar Panels		
50- Pocket Dosimeters		
4- Power supplies Alpha Met Air Pump		
15 Alpha-mets		
Misc. Instrument Frames		
Misc. Electronic Pieces		
25- EPD's		
Circuit Boards		

(1) Completed by Requestor
(2) Units SHALL be designated and annotated by Requestor

Prepared: [signature] EMP# [redacted] Date 9-20-02
PM/WG/Customer

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Equivalent to Appendix 7

PACKAGE INVENTORY

Package ID: B04101

Container Type: I2F - 4 X 4 X 7 IP-2 METAL BOX

Survey Characterization Unit Nbr(s) SCO-00790-00001-REV00 Pct by Volume from this SCU 100 %

Object Number	Object Description	Object Comments
See attached package inventory sheet		

Bracing and Other Uncontaminated Packaging Material or Dunnage: 0 lb

Inventory Prepared By: [redacted] R L Kennard / R L Kennard / 10-7-02
PM/WG/Customer — Print Name — Signature — Date

Gross Package Weight

Scale Information: ID #: RF410132 Calibration Due Dt: 03/31/2003 Gross Weight: 2,338 lb

Tare Weight: 930 lb

Weight Measured By: [redacted] R L Kennard / R L Kennard / 10-7-02
Emp Nbr / Print Name — Signature — Date

APPENDIX 7

PACKAGE INVENTORY SHEET

Survey Characterization Unit # SCO-00790- Package ID B0410/

Object Description/SCU (1)	Mass (1) (2)	Remarks (For example, % of package by weight or volume)
COMBO		
COMBO		
7- REM BALLS		
Combo		
Combo		
8- REM BALLS		
18 - Tool Boxes		
Many probe holders		

(1) Completed by Requestor
(2) Units SHALL be designated and annotated by Requestor

Prepared: R L Kennard EMP# [redacted] Date 9-20-02
PM/WG/Customer

Equivalent to Appendix 7

Page 1 of 1

PACKAGE INVENTORY

Package ID: B04184

Container Type: I2F - 4 X 4 X 7 IP-2 METAL BOX

Survey Characterization Unit Nbr(s) SCO-00790-00001-REV00 Pct by Volume from this SCU 100 %

Object Number	Object Description	Object Comments
See attached package inventory sheet.		

Bracing and Other Uncontaminated Packaging Material or Dunnage: 0 lb

Inventory Prepared By: [redacted] R.L. Kennard / R.L. Kennard / 10-7-02
PM/WG/Customer — Print Name — Signature — Date

Gross Package Weight

Scale Information: ID #: RF410132 Calibration Due Dt: 03/31/2003 Gross Weight: 2,478 lb

Tare Weight: 930 lb

Weight Measured By: [redacted] R.L. Kennard / R.L. Kennard / 10-7-02
Emp Nbr / Print Name — Signature — Date

APPENDIX 7

PACKAGE INVENTORY SHEET

Survey Characterization Unit # 00790-00001-Lower Package ID B04184

Object Description/SCU (1)	Mass (1) (2)	Remarks (For example, % of package by weight or volume)
COMBO		
15 REM BALLS		
COMBO		
Telescoping Rods		
Misc Piping		
Plastic Brackets		
Scrap Metal + Wire		
Instrument Brackets		
Tool Box		
Iudium Instrument Cases		
Alumina Probe Brackets		
Plastic Tubing		
Misc. Electronic Parts		

(1) Completed by Requestor
(2) Units **SHALL** be designated and annotated by Requestor

Prepared: [signature] EMP# [redacted] Date 9-25-02
PMAWG/Customer

Page ___ of ___

ver A

Equivalent to Appendix 7

Page of

PACKAGE INVENTORY

Package ID: B04375

Container Type: I2H - 2 X 4 X 7 IP-2 METAL BOX

Survey Characterization Unit Nbr(s) SCO-00790-00002-REV00 Pct by Volume from this SCU 100 %

Object Number	Object Description	Object Comments
1	TSA Instruments	B790 Strip out
2	Misc. Electronic Components	B790 Strip out
3	Instrument cables	B790 Strip out
4	Wiring harness and loose wiring	B790 Strip out
5	Telephones	B790 Strip out
6	Ludlum 12-1A Probes	B790 Strip out
7	Calculators	B790 Strip out
8	Cardboard, paper, plastics	

Bracing and Other Uncontaminated Packaging Material or Dunnage: 0.0 lb

Inventory Prepared By: [redacted] R. NEVEAU / ROCK NEVEAU / 06/25/2003
PM/WG/Customer — Emp Nbr / Print Name — Electronic Signature — Date

Gross Package Weight

Scale Information: ID #: RF Calibration Due Dt: Gross Weight: 1,562.0 lb
Tare Weight: 710.0 lb

Weight Measured By: / /
Emp Nbr / Print Name — Signature — Date

#6

RECEIVED

2003 MAY 22 P 2:51

CORRESPONDENCE CONTROL

ed 02/03

CORRES. CONTROL
INCOMING LTR NO.

00476 RF03

DUE DATE
ACTION

DIST.	LTR	ENC
BERARDINI, J. H.	X	
BOGNAR, E. S.	X	
CROCKETT, G. A.		
DECK, C. A.	X	
DEGENHART, K. R.		
DIETER, T. J.		
DIETERLE, S. E.		
FERRERA, D. W.	X	
FERRI, M. S.		
GERMAIN, A. L.		
GIACOMINI, J. J.		
ISOM, J. H.		
LINDSAY, D. C.	X	
LONG, J. W.		
LYLE, J. L.		
MARTINEZ, L. A.	X	
NAGEL, R. E.	X	
NORTH, K.	X	
PARKER, A. M.	X	
POWERS, K. P.		
RODGERS, A. D.		
SHELTON, D. C.	X	
SPEARS, M. S.		
[illegible]E, K. D.		
[illegible], R. N. R.	X	
[illegible]LIAMS, J. L.		
PARSONS, D.	X	
AUBLE, M.	X	
NESTA, S.	X	
BUTLER, L.	X	
BROOKS, L.	X	

COR. CONTROL	X	
ADMIN. RECORD	X	
PATS/130		

Reviewed for Addressee
Corres. Control RFP

5/22/03 lcg
Date By

Ref. Ltr. #

E ORDER #
5400.1

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benevento, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
TDD Line (303) 691-7700
Located in Glendale, Colorado

http://www.cdphe.state.co.us

Laboratory and Radiation Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

Colorado Department
of Public Health
and Environment

May 16, 2003

Mr. Richard DiSalvo
Acting Assistant Manager for Environment and Stewardship
U.S. Department of Energy, Rocky Flats Field Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: Reconnaissance Level Characterization Report (RLCR) for Building 790 – Concurrence

Dear Mr. DiSalvo:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the RLCR for Building 790, Revision 0 dated April 15, 2003. Based on the information contained in the RLCR we are hereby concurring with the determination that Building 790 is a Type 1 Facility.

Although we are concurring that this is a Type 1 facility, we are concerned with a possible inconsistency between statements in Section 7 and 8, which indicate that B790 does not contain nor will there be hazardous waste generated during the demolition of this building, and Section 4.3 which states that B790 contains "Lead shielding". The Lead shielding would be considered a hazardous waste. So, even though it is also indicated that this Lead shielding will be removed prior to demolition, particular attention needs to be paid during demolition for unexpected Lead shielding that may not have been removed prior to demolition. This might include doors, windows, walls, floors, etc.

This and any other issue that may be relevant to building demolition, such as disposition of below grade structures, are expected to be addressed utilizing the consultative process.

If you have any questions regarding this correspondence please contact me at (303) 692-3367 or David Kruchek at (303) 692-3328.

Sincerely,

Steven H. Gunderson
RFCA Project Coordinator

cc: Steve Tower, DOE
Tim Rehder, EPA
Duane Parsons, KH
Denise Onyskiw, CDPHE
Mike Auble, KH
Dave Shelton, KH
Steve Nesta, KH
Administrative Records Building T130G

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REN # 030514-T130I-001 Page 4 of 4

TYPE 1
RECONNAISSANCE LEVEL CHARACTERIZATION REPORT (RLCR)

Building 790

REVISION 0

April 15, 2003

Reviewed by: _____ Date: 4-16-03
Don Risoli, Quality Assurance

Reviewed by: _____ Date: 4/16/03
D.P. Snyder, RISS ESH&Q Manager

Approved by: _____ Date: 4/17/03
Mike Auble, K-H D&D Project Manager